

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040077.D
 Acq On : 10 Sep 2020 13:45
 Operator : SY/MD
 Sample : L3963-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y46

Quant Time: Sep 11 01:56:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118535	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120598	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54257	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32191	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.92	69	26170	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	49705	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.65	46	98156	37.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.84%
24) Chloroform-d	5.08	84	60161	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	5.72	65	36656	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	5.75	84	113439	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.70	67	35949	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.40%
41) Toluene-d8	7.91	98	90006	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	8.19	79	14341	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.64	63	72107	35.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31524	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	35592	4.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.00%

Target Compounds

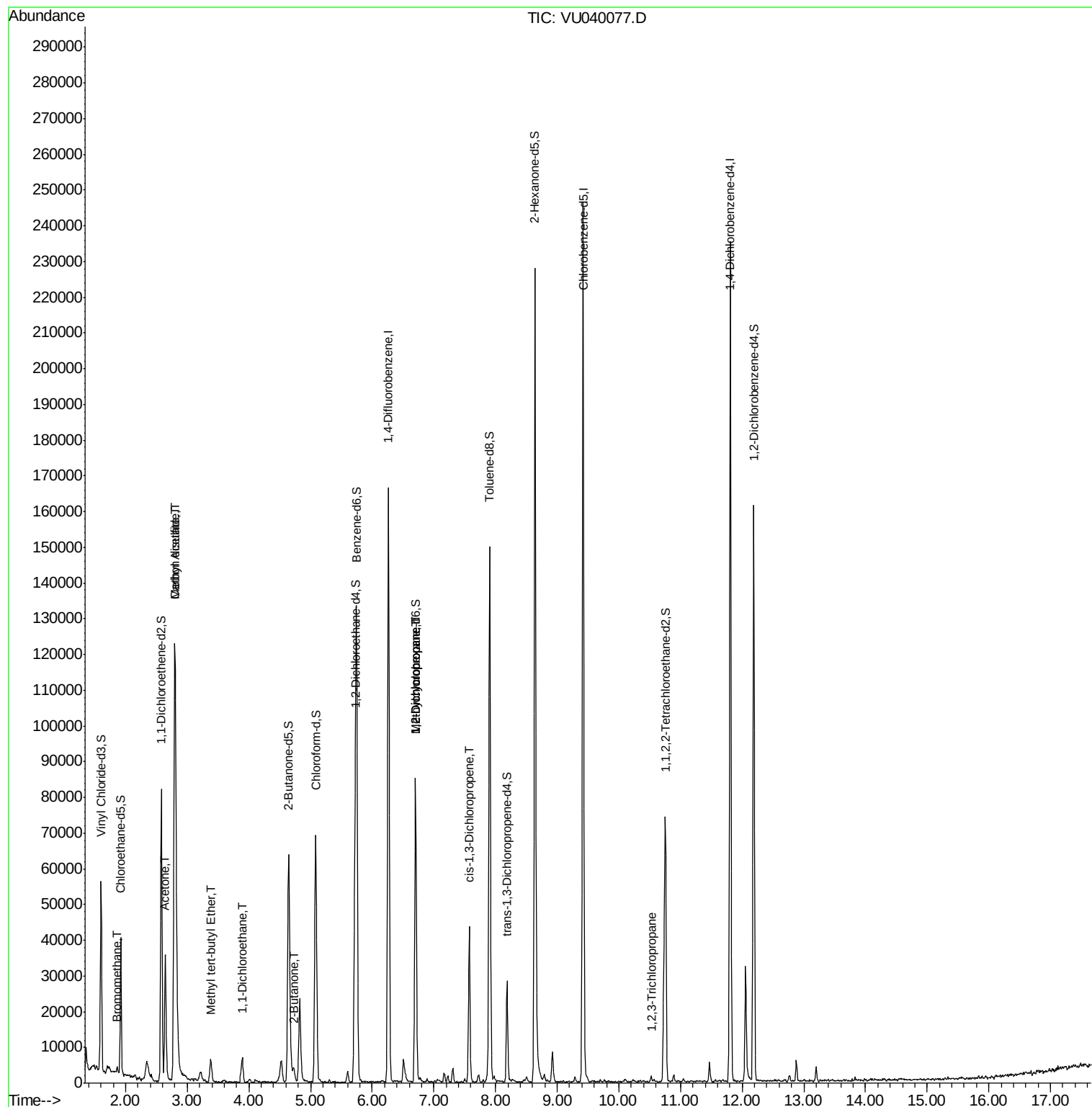
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.86	94	662	0.113	ug/L	84
13) Acetone	2.64	43	43391	18.107	ug/L	96
14) Carbon disulfide	2.81	76	3962	0.135	ug/L	98
15) Methyl Acetate	2.80	43	49507	8.231	ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	6153	0.223	ug/L #	93
19) 1,1-Dichloroethane	3.89	63	7173	0.353	ug/L	97
21) 2-Butanone	4.73	43	4695	1.200	ug/L	94
35) Methylcyclohexane	6.70	83	8413	0.475	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	4584	0.392	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1231	0.071	ug/L #	49
59) 1,2,3-Trichloropropane	10.53	75	805	0.093	ug/L #	44

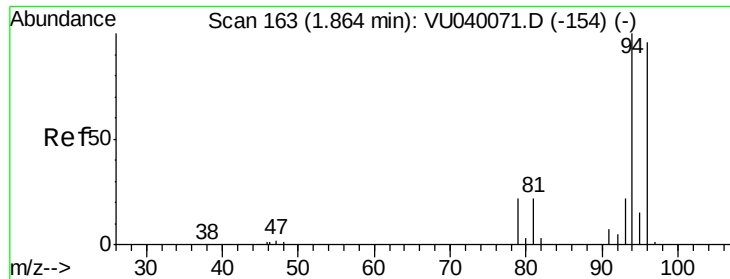
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.113 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040077.D

Acq: 10 Sep 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

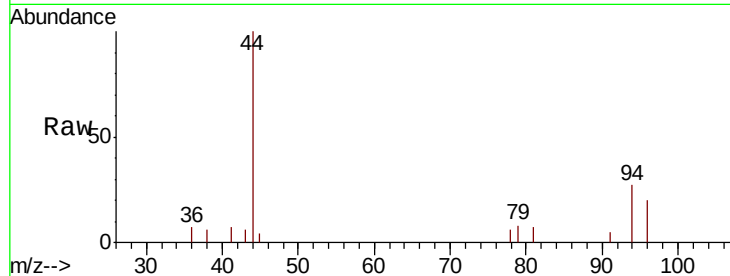
F4Y46

Tot Ion: 94 Resp: 662

Ion Ratio Lower Upper

94 100

96 74.5 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

600

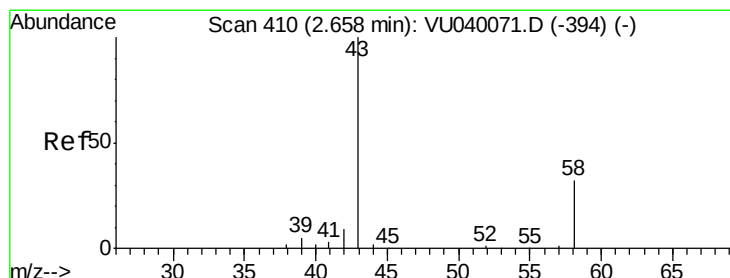
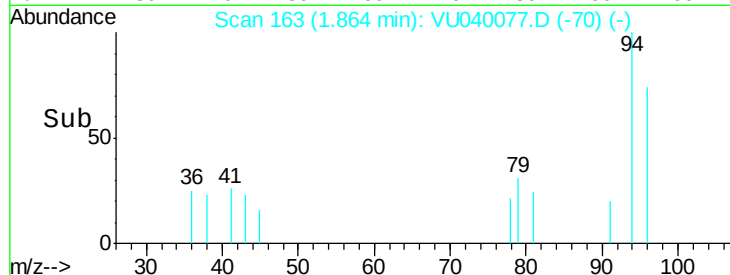
400

200

0

Time-->

1.84 1.86 1.88



#13

Acetone

Concen: 18.107 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.02 min

Lab File: VU040077.D

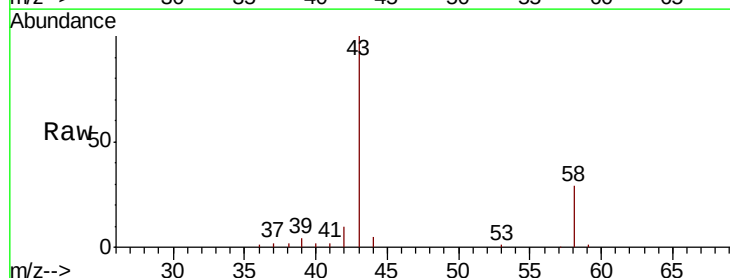
Acq: 10 Sep 2020 13:45

Tgt Ion: 43 Resp: 43391

Ion Ratio Lower Upper

43 100

58 29.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.64

25000

20000

15000

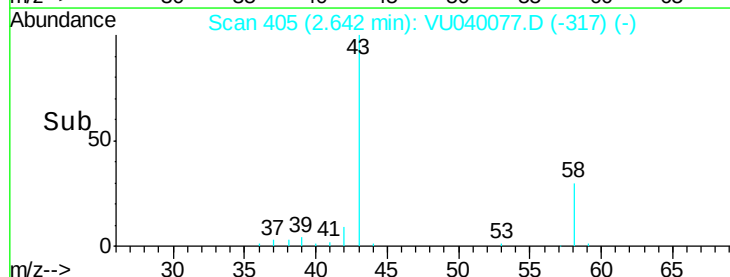
10000

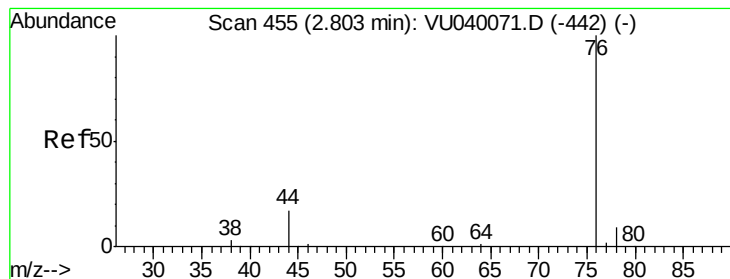
5000

0

Time-->

2.60 2.70





#14

Carbon disulfide

Concen: 0.135 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040077.D

Acq: 10 Sep 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

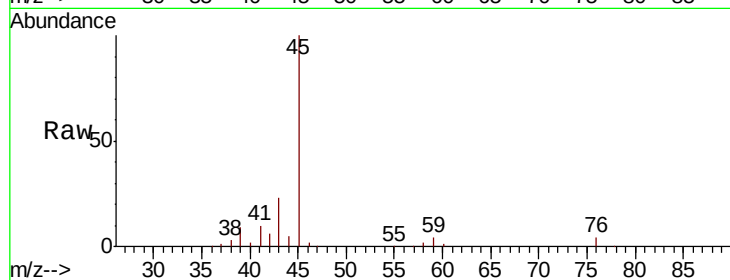
F4Y46

Tot Ion: 76 Resp: 3962

Ion Ratio Lower Upper

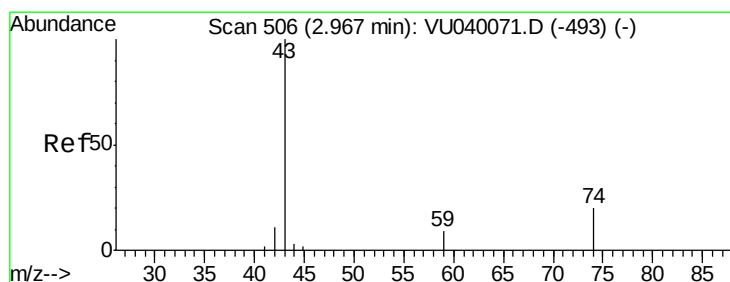
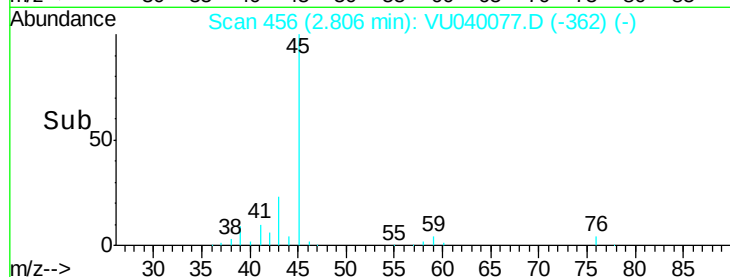
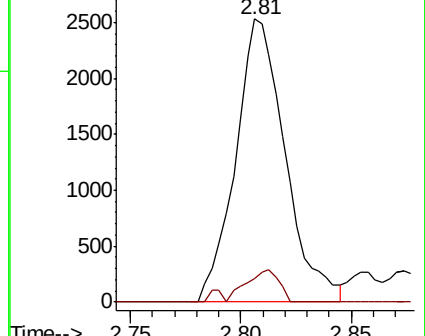
76 100

78 8.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 8.231 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.17 min

Lab File: VU040077.D

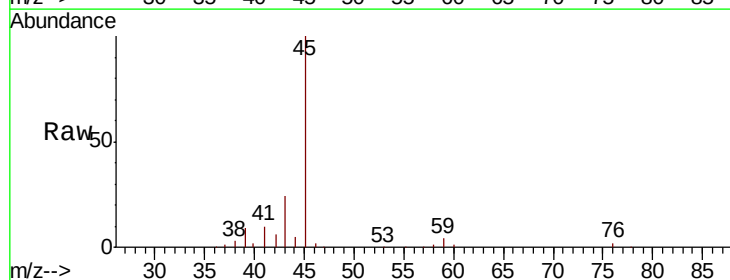
Acq: 10 Sep 2020 13:45

Tgt Ion: 43 Resp: 49507

Ion Ratio Lower Upper

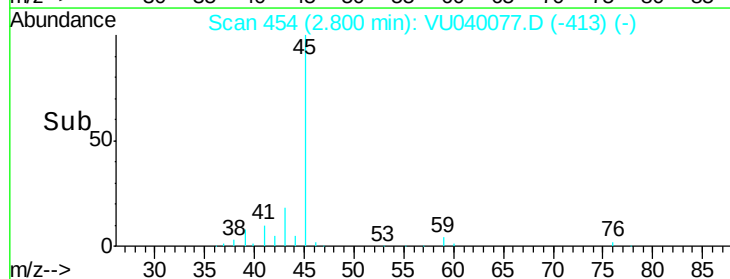
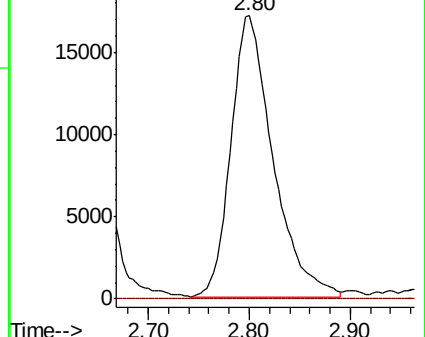
43 100

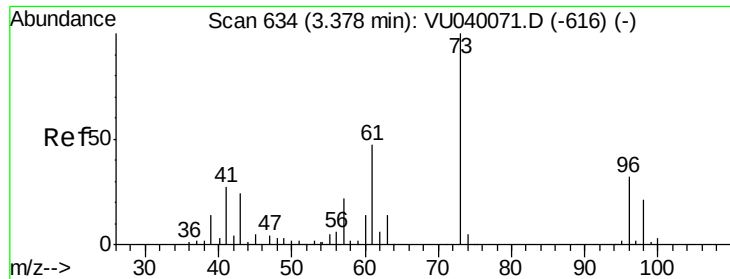
74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

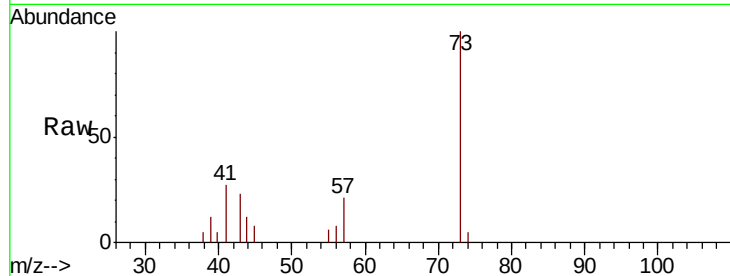




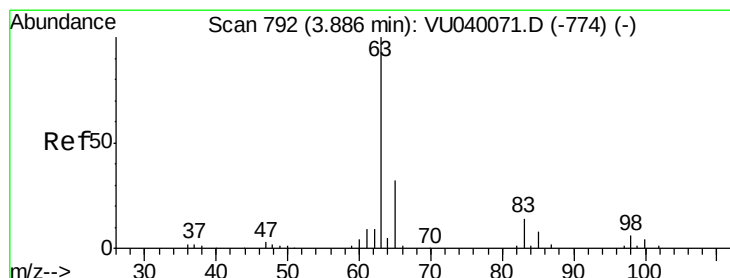
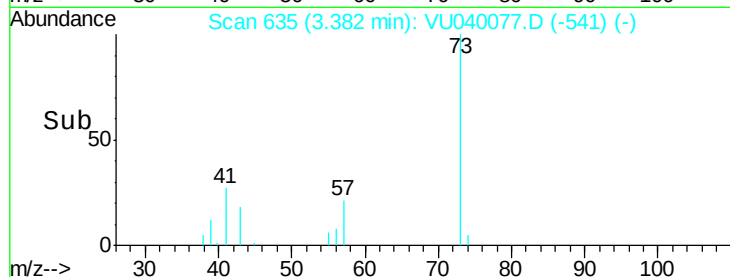
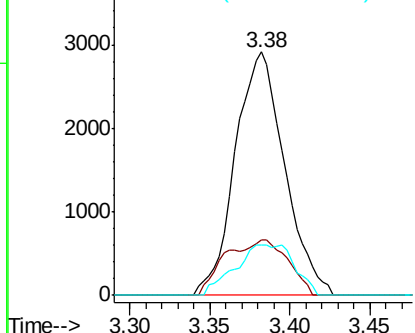
#17
Methyl tert-butyl Ether
Concen: 0.223 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040077.D
Acq: 10 Sep 2020 13:45

Instrument :
MSVOA_U
ClientSampleId :
F4Y46

Tot Ion: 73 Resp: 6153
Ion Ratio Lower Upper
73 100
43 28.9 19.1 28.7#
57 24.9 18.3 27.5

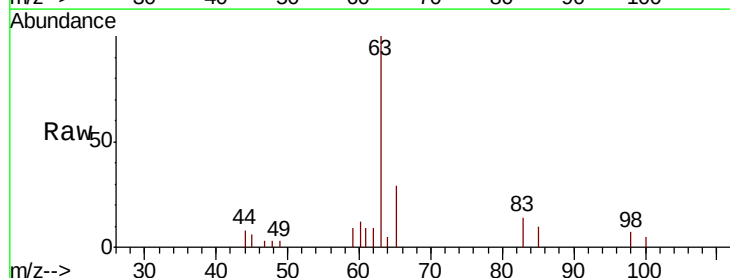


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

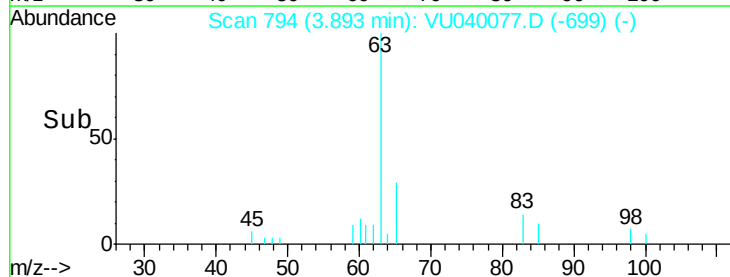
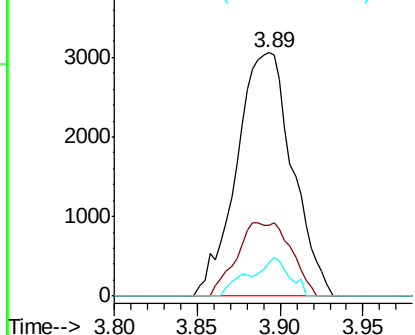


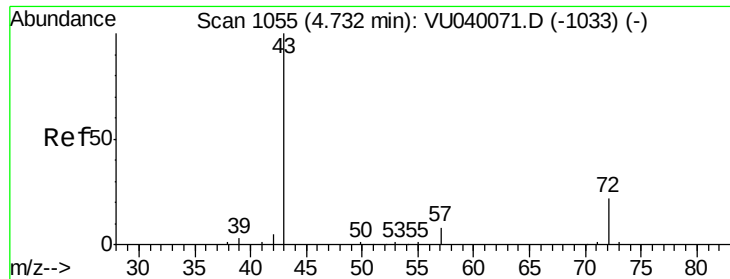
#19
1,1-Dichloroethane
Concen: 0.353 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.01 min
Lab File: VU040077.D
Acq: 10 Sep 2020 13:45

Tgt Ion: 63 Resp: 7173
Ion Ratio Lower Upper
63 100
65 29.3 22.2 41.2
83 14.1 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 1.200 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040077.D

Acq: 10 Sep 2020 13:45

Instrument :

MSVOA_U

ClientSampled :

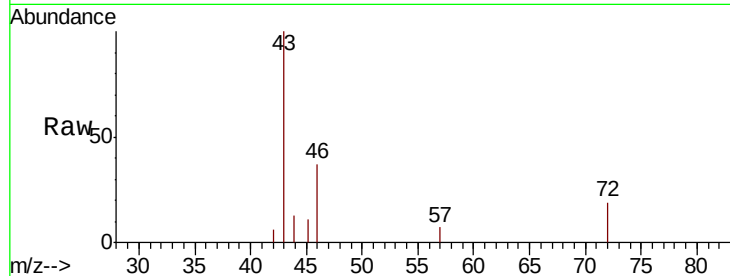
F4Y46

Tot Ion: 43 Resp: 4695

Ion Ratio Lower Upper

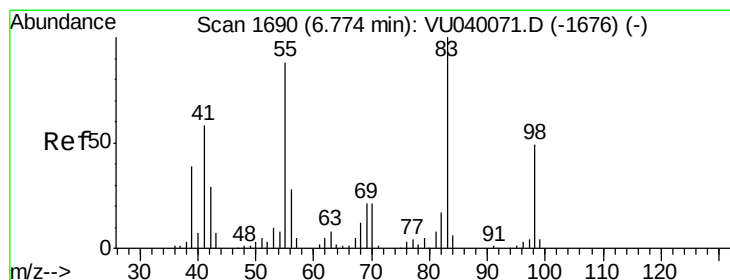
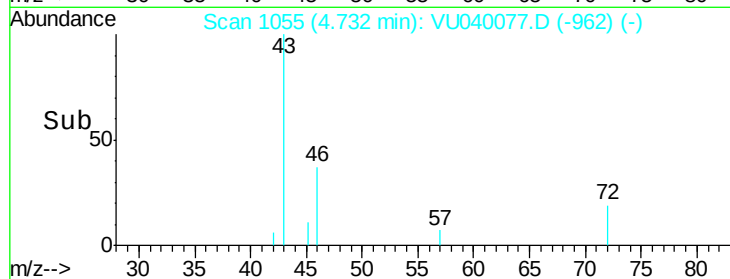
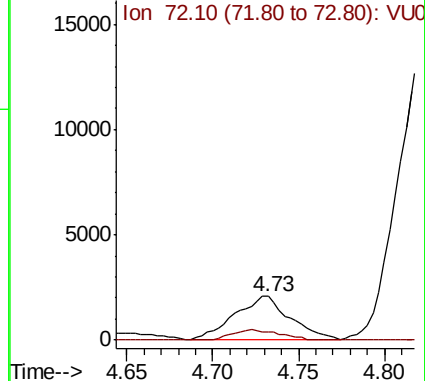
43 100

72 20.4 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040077.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU040077.D (-962) (-)



#35

Methylcyclohexane

Concen: 0.475 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040077.D

Acq: 10 Sep 2020 13:45

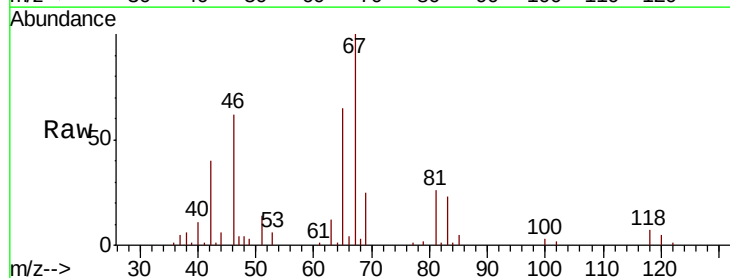
Tgt Ion: 83 Resp: 8413

Ion Ratio Lower Upper

83 100

55 0.9 70.5 105.7#

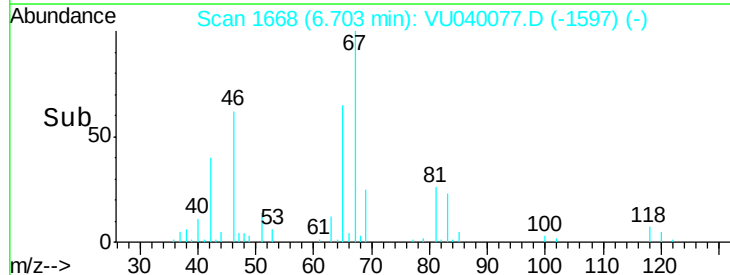
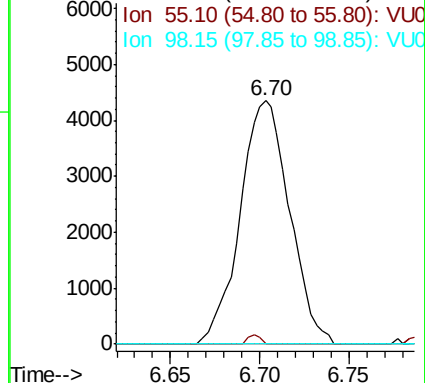
98 0.0 37.8 56.6#

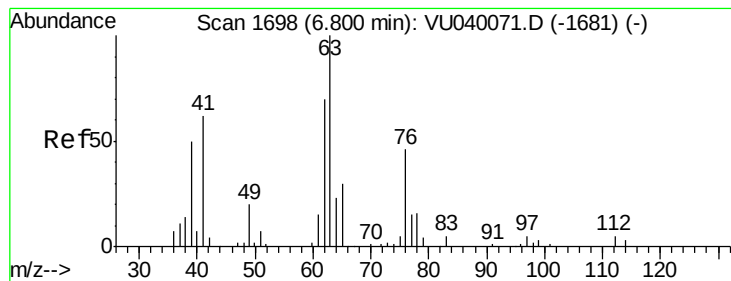


Abundance Ion 83.15 (82.85 to 83.85): VU040077.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040077.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040077.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.392 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU040077.D

Acq: 10 Sep 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

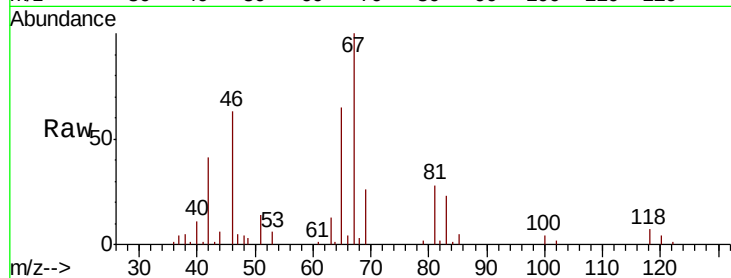
F4Y46

Tot Ion: 63 Resp: 4584

Ion Ratio Lower Upper

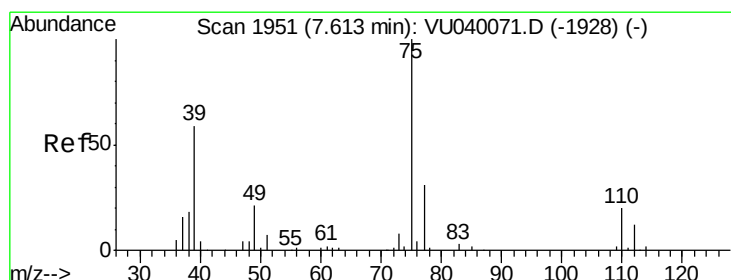
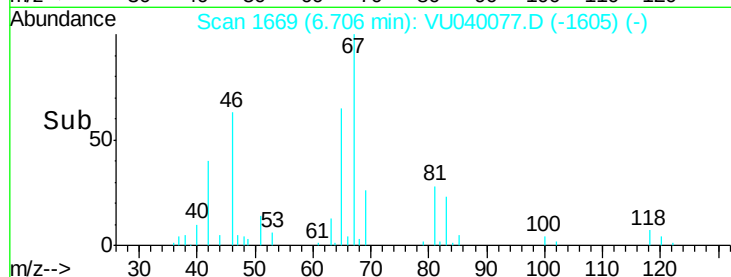
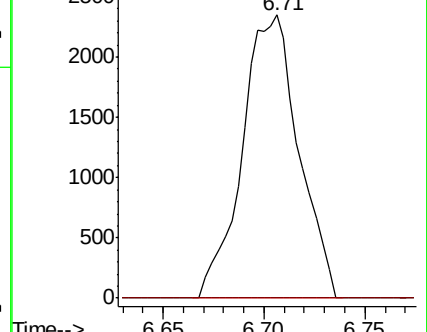
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040077.D (-1669) (-)

Ion 112.10 (111.80 to 112.80): VU040077.D (-1669) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040077.D

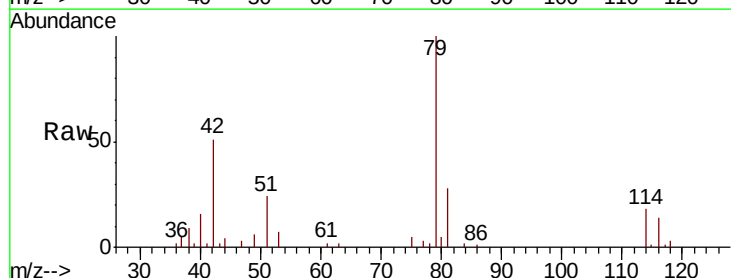
Acq: 10 Sep 2020 13:45

Tgt Ion: 75 Resp: 1231

Ion Ratio Lower Upper

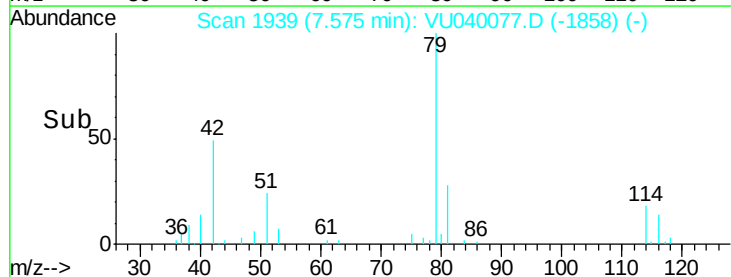
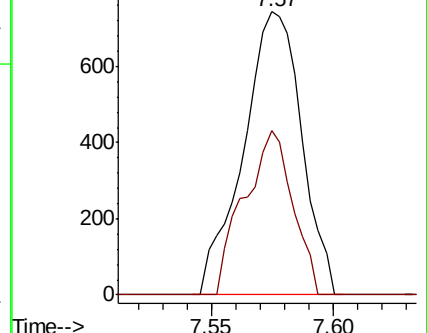
75 100

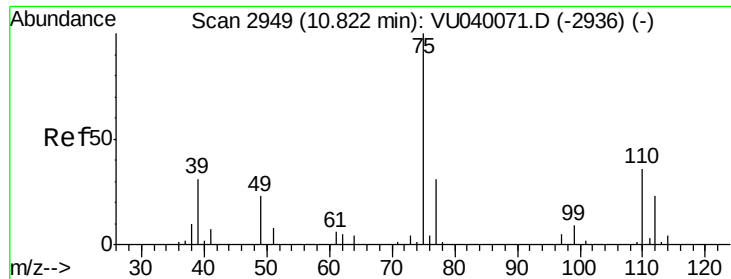
77 58.0 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040077.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040077.D (-1858) (-)





#59

1,2,3-Trichloropropane

Concen: 0.093 ug/L

RT: 10.53 min Scan# 2857

Delta R.T. -0.30 min

Lab File: VU040077.D

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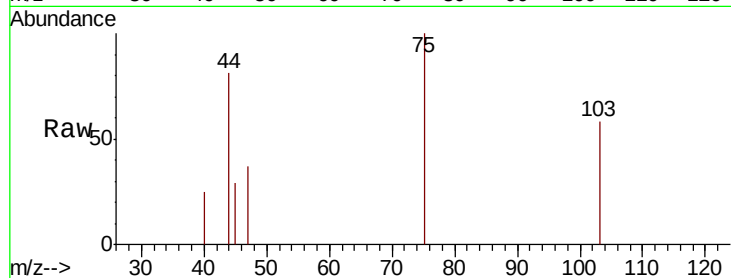
F4Y46

Tot Ion: 75 Resp: 805

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

